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[54] METHOD FOR GENERATING A DISPLAY
UTILIZING OBJECTS IN AN OBJECT LIST[75] Inventors: Richard E. Shelton, Mesa; Ronald E.
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[58] Field of Search 364/401, 403, 406, 413.02,
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155-161

[56] References Cited

U.S. PATENT DOCUMENTS

3,588,838	6/1971	Felcheck	340/172.5
4,258,361	3/1981	Hydes et al.	340/721
4,315,309	2/1982	Coli	364/200
4,484,302	11/1984	Cason et al.	364/900
4,555,775	11/1985	Pike	364/900
4,597,045	6/1986	Kiuchi	364/406
4,651,146	3/1987	Lucash et al.	340/721
4,653,020	3/1987	Cheselka et al.	364/900
4,658,366	4/1987	Posh	364/523
4,737,912	4/1988	Ichikawa	364/413.02
4,761,642	8/1988	Huntzinger	340/721
4,807,123	2/1989	Komatsu et al.	364/200

4,837,693 6/1989 Schotz 364/401 X
4,851,999 7/1989 Moriyama 364/401
4,878,175 10/1989 Norden-Paul et al. 364/401 X

OTHER PUBLICATIONS

Using 1-2-3 Special Edition, Que Corp., 1987, pp. 12-35,
46-56-66-69, 78-80, 98-101, 274-278 and 756-757.Foley and Van Dam, *Fundamentals of Interactive Com-
puter Graphics*, 1982, pp. 55-61 and 222-234.Poole, Lon, *Your Atari Computer*, Osborne/Mc-
Graw-Hill, 1982, pp. 405-411.Butterworth, "Forms Definition Method", 5th Phoenix
Conference on Computers and Communications Mar.
26-28, 1986.Meyers, "A Taxonomy of Window Manager User In-
terfaces", IEEE Computer Graphics & Applications,
pp. 65-84 (Sep. 1988).Scheifler et al., "The X Window System", ACM Trans-
actions on Graphics, vol. 5, No. 2, pp. 79-109 (Apr.
1986).

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[57] ABSTRACT

Input to the system is buffered by the forms manager to determine access to the tile/region and to check entered data. The tile/region will retain various information such as data entered, user, time, changes, etc. To display a form, the forms manager obtains a list of objects to be displayed. This list of objects is then edited to remove objects which are not utilized and to place the remain-
ing objects in a prioritized order. The forms manager then generates the display.

11 Claims, 10 Drawing Sheets

		7/7 10:00	7/7 10:30	7/7 11:00	7/7 11:30	7/7 12:00	7/7 12:30	7/7 13:00	
	VITALS	HEART RATE	53B 53C		53C	53C			53
51	53A 54A	BLOOD PRESSURE	54B	54C		54C	54C		54
		TEMP.		65					55
		RESPIRATION RATE							56
	LABS	CBC HGB							57
		CBC HCT							58
		58B K+			59C			59C	59
52		60B Na	60C	60C			60C		60
		BUN							61
		CREAT							62